

Claims

1           1. A peripheral device for operation in conjunction with a wireless com-  
2   munication device, said peripheral device comprising:  
3           a user interface operable to receive user input data;  
4           a communication interface operable to control transfer of said user input  
5                 data to said wireless communication device and to control the  
6                 transfer of data received from said wireless communication de-  
7                 vice;  
8           a display for displaying said user input data and said data received from  
9                 said wireless communication device; and  
10          a processor operable to process said user input data and data received  
11                 from said wireless communication device;  
12          wherein said peripheral device and said wireless communication device  
13                 are configured to cooperatively process data in accordance with  
14                 a predetermined protocol for execution of a software program  
15                 whereby said peripheral device is the source of data input and  
16                 data display for a user.

1           2. The peripheral device of claim 1, wherein said communication device  
2   comprises a data processor and said software program is executed on said wire-  
3   less communication device.

1           3. The peripheral device of claim 1, wherein said software program is exe-  
2   cuted on said peripheral device.

1           4. The peripheral device of claim 1, wherein said peripheral device auto-  
2   matically turns on in response to at least one predefined event.

1           5. The peripheral device of claim 1, further comprising a backup memory,  
2   operably coupled to said communication interface, for storing a backup copy of  
3   data received from said wireless communication device.

1           6. The peripheral device of claim 1, wherein said communication interface  
2   is adapted to automatically establish connectivity with said peripheral device in  
3   response to at least one predefined event.

1           7. The peripheral device of claim 1, wherein said communication interface  
2   further transmits a signal to said wireless communication device directing said  
3   wireless communication device to transmit at least one data item and a data re-  
4   quest via a network connection.

1           8. The peripheral device of claim 1, wherein said communication interface  
2   further receives a signal from said wireless communication device representing  
3   at least one data item received by said wireless communication device via a net-  
4   work connection.

1           9. The peripheral device of claim 1, wherein said communication interface  
2 further transmits a signal to said wireless communication device directing said  
3 wireless communication device to transmit at least one data item and a data re-  
4 quest via the Internet.

1           10. The peripheral device of claim 1, wherein said communication inter-  
2 face further receives a signal from said wireless communication device represent-  
3 ing at least one data item received by said wireless communication device via the  
4 Internet

1           11. A peripheral device for use in conjunction with a separate wireless  
2 communication device, said peripheral device comprising:  
3           a user interface operable to receive user input data;  
4           a communication interface operable to receive application data from said  
5           wireless communication device, wherein said communication  
6           interface is operable to automatically establish connectivity with  
7           said wireless communication device in response to at least one  
8           predefined event;  
9           a processor, operably coupled to said communication interface, for execut-  
10           ing at least one software application using said received appli-  
11           cation data thereby generating processed data; and  
12           a display coupled to said processor, for displaying said user input data  
13           and said processed data;  
14           wherein said peripheral device and said separate wireless communication  
15           device define a combined wirelessly-enabled data processor and  
16           wherein said peripheral device is the source of data input and  
17           data display for a user using said wirelessly-enabled data proc-  
18           essor.

1           12. The peripheral device of claim 11, further comprising an enclosure  
2     having an opened position and a closed position, wherein said predetermined  
3     event for establishing connectivity is the transition of said enclosure from said  
4     closed position to said open position.

1           13. The peripheral device of claim 11, wherein said predetermined event  
2     for establishing connectivity is a signal transmitted by said wireless communica-  
3     tion device.

1           14. The peripheral device of claim 11, wherein said processed data is  
2     stored in a storage medium on said peripheral device.

1           15. The peripheral device of claim 11, wherein said processed data is  
2     stored in a storage medium on said wireless communication device.

1           16. The peripheral device of claim 11, wherein said communication inter-  
2     face further transmits a signal to said wireless communication device directing  
3     said wireless communication device to transmit at least one data item and a data  
4     request via a network connection.

1           17. The peripheral device of claim 11, wherein said communication inter-  
2     face further receives a signal from said wireless communication device represent-  
3     ing at least one data item received by said wireless communication device via a  
4     network connection.

1           18. The peripheral device of claim 11, wherein said communication inter-  
2     face further transmits a signal to said wireless communication device directing  
3     said wireless communication device to transmit at least one data item and a data  
4     request via the Internet.

1           19. The peripheral device of claim 11, wherein said communication inter-  
2     face further receives a signal from said wireless communication device represent-  
3     ing at least one data item received by said wireless communication device via the  
4     Internet.

1           20. The peripheral device of claim 11, further comprising a network inter-  
2     face, coupled to said processor, for transmitting at least one of a data item and a  
3     data request via a network connection, and for receiving at least one data item  
4     via said network connection.

1           21. The peripheral device of claim 11, wherein said communication inter-  
2     face further receives, from said wireless communication device, software code for  
3     at least one software application.

1           22. The peripheral device of claim 11, further comprising memory for  
2 storing said application data and said processed data.

1           23. The peripheral device of claim 18, wherein said memory stores said  
2 application data and said processed data from one user session to at least one  
3 subsequent user session.

1           24. The peripheral device of claim 11, further comprising a backup mem-  
2 ory, coupled to said communication interface, for storing a backup copy of data  
3 received from said wireless communication device.